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COUNTY OF ANGLESEY.

INSTITUTE OF SOCIAL  
MEDICINE

10, PARKS ROAD,  
OXFORD

# ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1946.

G. J. ROBERTS,

M.D., B.Sc., M.R.C.S., L.R.C.P., D.P.H., D.P.A.,

County Medical Officer

*W. O. Jones (Printers) Limited, Llangefni.*



INSTITUTE OF SOCIAL  
MEDICINE

10, PARKS ROAD,  
OXFORD

*To the Chairman and Members of the  
Public Health and Housing Committee*

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present the ANNUAL REPORT on the health of the County for the year 1946.

Having been appointed County Medical Officer of Health as recently as the beginning of November, credit for the work undertaken is due to my predecessor whose death in May 1947, followed so closely on his retirement. The Members of the County Council and the late Dr. Arnold Davies' colleagues will no doubt join me in expressing appreciation of his work during the thirty-five years in which he held the post of County Medical Officer of Anglesey.

Reference to the statistical tables shows an increase in the birth rate and a decrease in the general death rate, although the death rates for tuberculosis and cancer are higher than in 1945. It is particularly gratifying to note that the infant mortality rate of 44 per 1,000 live births is the lowest on record, the previous lowest figure being 52 in 1936.

I wish to express my thanks to the Chairman and Members of the Public Health Committee for their sympathetic interest and help and to the other officials, particularly the Clerk, for their co-operation, and to the members of the staff of the Department, especially my chief clerk whose help in the preparation of this report has been invaluable.

I am,

Your obedient Servant,

G. J. ROBERTS,  
*County Medical Officer.*



# ANNUAL REPORT

## OF THE

### COUNTY MEDICAL OFFICER

### 1946.

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#### I—General Statistics

Area (acres)	176,694
Population—Estimated mid-year 1946—For Birth Rate and for Death Rate	46,940
Number of Inhabited Houses, 1934	13,110
Number of Families or Separated Occupiers	13,186
Rateable Value as at 1st April, 1947	£186,625
Sum produced by a Penny Rate 1946–47 (estimated)	£719 0s. 8d.

#### II—Extracts from Vital Statistics of the Year

	<i>Total</i>	<i>Males</i>	<i>Females</i>
Births—Legitimate	776	407	369
Illegitimate	110	61	49
Total	886	468	418
Rate per 1,000 population :			
Anglesey		18.88	
England & Wales.....		19.1	
Stillbirths	31	16	15
Rate per 1,000 Births :			
Anglesey		35	
Rate per 1,000 population :			
Anglesey		73	
England & Wales.....		53	
Deaths	676	327	349
Rate per 1,000 population :			
Anglesey		14.40	
England & Wales.....		11.5	
Number of women dying in, or in consequence of Childbirth :			2
Rate per 1,000 Live Births :			2.26

	Anglesey	England and Wales
Deaths of Infants under one year of age :		
Rate per 1,000 Births—Legitimate	40	
Illegitimate	82	
Total	44	43
Deaths from Measles (all ages)—Rate per 1,000 population	.02	
Deaths from Whooping Cough—Rate per 1,000 population		0.2
Deaths from Diarrhoea and Enteritis (under 2 years)		
—Rate per 1,000 population	.02	
Deaths from Diarrhoea and Enteritis (under 2 years)		
—Rate per 1,000 births	1.13	4.4

### Causes of Infant Deaths, 1946

No.	URBAN		RURAL		Total
	M.	F.	M.	F.	
3 Scarlet Fever					
4 Whooping Cough					
5 Diphtheria					
7 Tuberculosis other forms				1	1
9 Influenza			2	1	3
21 Bronchitis			1		1
22 Pneumonia			2		2
25 Diarrhoea		1			1
27 Other Digestive Diseases	1		1		2
28 Nephritis					
31 Premature Birth	5		2	4	11
32 Congenital mal., birth inj., infant dis.	1	4	7	2	14
35 Other violent diseases	1				1
36 All other causes			2	1	3
	8	5	17	9	39
No. of Births	177	164	291	254	886

### Midwives

The total number of Inspection Visits to Midwives	76
Number of Midwives :	
North Wales Nurses	22
Queen's Nurses	5
Independent Trained	11
Total	38
Midwifery Cases attended	433
Maternity Cases attended	108

### MEDICAL AID TO MIDWIVES

Number of Cases in which Medical Aid was summoned during the year by a Midwife : 79.

Analgesics administered by Midwives in Domiciliary Practice were : 13.

### Institutional Provision for Mothers and Children

Twelve mothers were admitted to the Home, Valley, for their confinement.

Three hundred and twelve mothers were admitted to the County Hospital, Bangor, under the Midwifery Scheme.

#### CARE OF PREMATURE INFANTS (CIRCULAR 20/44).

The number of Premature Babies notified during 1946, whose mothers are normally resident in the County—32.

### County Hospital Maternity Department

#### REPORT ON ANGLESEY CASES FOR 1946

*by*

*O. Vaughan Jones, M.D., F.R.C.S., M.R.C.O.G.*

#### COUNTY HOSPITAL ADMISSIONS :

Maternity admissions .....	346
Maternity cases .....	312
Gynaecological cases .....	41
Post-Natal admissions .....	3
Neo-Natal admissions .....	1
 Total cases admitted .....	 <hr/> 357 <hr/>

28 Emergency Cases were sent in by Practitioners ;  
 200 Normal Confinements ;  
 5 Twins ;  
 146 Complicated Cases were treated ;  
 12 Cases with Concurrent Disease ;  
 18 Blood Transfusions.

#### INFANTS :

Stillbirths : 16.  
 Neo-Natal Deaths : 14.  
 Neo-Natal Conditions : 74.

#### MATERNAL MORTALITY :

No Maternal Deaths.  
 No other Death.

#### GYNAECOLOGICAL :

Gynaecological Cases : 41 ;  
 28 Emergency Admissions ;  
 1 Blood Transfusion.

#### DISTRICT WORK :

5 Emergency district calls from Practitioners.

## PRE-NATAL AND POST-NATAL CLINICS :

<i>Clinic Centre</i>	NUMBER OF CASES			<i>Total Attendance</i>
	<i>Pre-Natal</i>	<i>Post-Natal</i>	<i>Gynaecological</i>	
Llangefni	90	24	3	233
Holyhead	149	45	33	422
Amlwch	89	29	16	265
Menai Bridge.	46	28	8	149
Totals	374	126	60	1,069

## Comments

There were no Maternal Deaths of Anglesey Cases confined in Hospital.

## STILLBIRTHS :

There were 16 stillbirths, one being abnormal and 3 were dead before confinement ; the remaining 12 were within the field of obstetric risk. A third of these cases did not attend Pre-Natal Clinics. Of the 1,292 births at the Hospital, the stillbirth rate was 3.4 per cent.

## NEO-NATAL DEATHS :

Fourteen Neo-Natal deaths occurred, 3 being abnormal infants, and of the 3 cerebral haemorrhages, 1 was a normal confinement, 1 forceps and 1 breech. The percentage of total neo-natal deaths at the Hospital was 3.6 for all live births.

## GYNAECOLOGICAL CASES :

The number of these cases remains low, owing to lack of accommodation but when the new annex at the Hospital has been completed, we hope that there shall be more beds available for these cases.

## DISTRICT WORK :

All five cases were suitable cases to be called out for consultation and treatment.

## PRE-NATAL CLINICS :

The attendances remain satisfactory, though I am of the opinion that more patients should avail themselves of this service. Most of the centres are most unsuitable to hold Pre-Natal Clinics and it should be our aim to establish proper clinic centres at these and other stations. More frequent clinics should be held at each centre and as I cannot undertake any more work, we must once more try and obtain co-operation with Caernarvonshire and have the services of the Resident Obstetrical Officer of the County Hospital to attend the extra clinics.



### CONCLUSIONS

The Maternity Service has reached a saturation point, and without adequate nursing staff, medical personnel and accommodation, further development will be impossible. It is obvious that if these factors can be overcome, the expansion necessary to make the service highly efficient can be achieved.

In spite of Pre-Natal Clinics, it is noted 11 cases of eclampsia were admitted to the County Hospital (4 of these being Anglesey cases), only 4 of these being non-clinic. The explanation for this is the fact that, owing to lack of accommodation we are unable to admit toxæmia cases seen in the Clinics until it becomes absolutely essential. At present we have had to treat cases with a blood pressure up to 160/90 at home, while in reality all cases with a B.P. of 140/90 or over should receive institutional treatment. The larger unit envisaged we hope will overcome this problem.

The appointment of a Paediatrician at the County Hospital should relieve me of a great responsibility and some of the epidemic conditions, such as gastro-enteritis, can be more readily investigated.

In presenting this report, my thanks are due to Dr. Arnold Davies, Dr. Gwilym Roberts and the Committee for their continued help and support. I should also like to extend my thanks to the Nurses and Voluntary workers, who help in the Pre-Natal Clinics.

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### Infant Welfare Centres

Number of Centres provided and maintained by the Council : 14.

Total number of children who first attended the Centres during the year and who on the date of their first attendance, were :

- (1) Under 1 year of age : 467 ;
- (2) Between the age of 1 and 5 years : Nil.

Total number of children under 5 years of age who attended at the Centres during the year and who, at the end of the year, were :

- (1) Under 1 year of age : 328 ;
- (2) Over 1 year of age : 532.

## Health Visiting

ANTE-NATAL VISITS				HEALTH VISITING					
District	Cases	First Visits	Total Visits	Births Notified	First Visits	Extra Visits	Visits to Previous Cases	Visits to cases 1-2 yrs. over 2 yrs.	Visits to cases over 2 yrs.
Aberffraw	15	15	82	45	45	26	113	139	286
Amlwch	60	60	305	63	63	32	197	261	373
Beaumaris	9	9	39	14	14	25	112	82	115
Bodedern	18	18	57	23	23		85	86	90
Bodorgan	20	20	117	34	34	7	96	70	154
Gwalehmai	37	37	255	49	49	17	115	153	441
Holyhead N.A.	79	79	695	113	113	37	239	230	635
Holyhead L.M.S.	67	67	348	81	81	8	232	284	433
Llanddona	7	7	34	10	10	3	31	38	34
Llanerchymedd	27	27	203	24	24	1	99	102	119
Llanfaethlu	4	4	20	23	23		94	106	83
Llanfairpwll	8	8	71	13	13	3	54	54	146
Llanföchell	19	19	105	24	24	14	108	99	93
Llangefni	36	36	165	73	73	19	212	171	247
Llangored	9	9	63	18	18	3	57	55	78
Llanidan	19	19	88	26	26	14	137	98	198
Newborough	19	19	74	24	24	1	83	76	106
Marianglas	16	16	147	27	27	12	86	94	181
Menai Bridge	24	24	144	53	53	6	113	165	160
Pentraeth	13	13	57	19	19	5	70	71	172
Rhoscolyn	5	5	24	20	20	1	49	38	75
Rhosybol	14	14	59	12	12	3	57	42	103
Total	525	525	3,152	788	788	237	2,439	2,517	4,322
Total 1945	510	510	3,182	739	739	352	2,309	2,511	4,508

# **Inspection and Supervision of Food Food and Drugs Inspector's Report**

*January 1st—December 31st, 1946*

**(a) FOOD AND DRUGS ACT, 1938.**

One hundred and sixty-two samples of food were submitted under the Act to the Public Analyst for analysis. Unsatisfactory reports were received in respect of 40 samples. (The figures for the previous year were 189 samples submitted, 81 of which were reported as being unsatisfactory.)

<i>Type of Food Samples</i>	<i>No. submitted</i>	<i>Genuine</i>	<i>Not Genuine</i>
Milk	105	84	21
Ice-cream	9	2	7
Patent Foods	8	3	5
Cough Medicines	5	4	1
Soft Drinks	5	4	1
Confections	4	4	
Sherry	4	3	1
Patent Medicines	3	3	
Malted Food	4	2	2
Vinogar	2	2	
Jelly	2	2	
Sausage	1		1
Halibut Liver Oil	1	1	
Chutney	1	1	
Semolina	1	1	
Paste	1	1	
Beer	1	1	
Fish	1		1
Fruit Wrappings	1	1	
Tonic Food	1	1	
Baking Powder	1	1	
Powdered Milk	1	1	
	162	122	40

## DETAILS OF "NOT GENUINE" SAMPLES

### *Milk :*

Nine samples were reported as being "Not Genuine" by reason of the Non-fatty Solids being below the statutory standard of 8.5%. In each case the Freezing Point was reported as normal, indicating that there had not been any addition of water.

Nine samples were reported as being below the presumptive standard of 3% of the Fat. Appeal to Cow Samples indicated that the cows were giving milk which was deficient in fat.

Two samples were reported as being deficient in fat and follow-up action indicated that this was caused by inefficient handling between milking and bottling. Cautions were issued.

One sample was reported as being between 24% and 29% deficient in fat when compared with Appeal to Cow Samples. Proceedings were instituted as a result of which the defendant was fined £40, and ordered to pay £16 17s. costs.

### *Ice-cream :*

Seven samples were reported as being Unsatisfactory by reason of their bacteriological quality. Details of these reports were submitted to the Sanitary Inspectors concerned.

### *Patent Foods :*

Five Patent samples were reported as being infested with mites. A Caution was issued in each instance.

### *Cough Medicine :*

One sample was reported as being unsatisfactory by virtue of the claims made on the label.

### *Soft Drinks :*

One sample was reported as being deficient in sugar. Follow-up samples were reported as Genuine.

### *Sherry :*

This informal sample was deficient in alcohol and appeared to contain apple juice. The Formal sample taken was reported as Genuine.

*Malted Food :*

Two samples of Malted Food were reported to be deficient in Vitamin B1. In each instance 110 International Units per ounce was claimed but the Public Analyst certified the presence of only 40 Units. Proceedings were instituted against the distributors of the article who were fined £25 and ordered to pay £16 10s. 6d. costs.

*Sausage :*

This sample was slightly deficient in meat content.

*Fish :*

This sample was reported as being decomposed and unfit for human consumption. While this is really a matter for the Sanitary Authority, it was decided to exercise our powers under Section 65 of the Act and to institute proceedings in respect of this sample. The defendant was fined £1 and ordered to pay the costs of the prosecution.

## TUBERCULOUS MILK.

Four hundred and twenty-nine samples of milk were submitted for Biological Examination for Tuberculosis. Reports were received regarding three positive reactions. (1945 : 329 samples were submitted and 3 positive reactions.)

## HEAT-TREATED MILK.

Eighty samples of milk were taken from the heat-treatment plants in the County. All samples received Satisfactory reports. (1945 : 81 samples were taken, 3 of which were unsatisfactory.)

## SUPPLY OF MILK TO SCHOOLS

One hundred and twenty samples of milk supplied to schools were taken and submitted for Bacteriological Examination. Seventeen were reported as unsatisfactory. (1945 : 115 samples were submitted, 76 of which were unsatisfactory.)

## PHARMACY AND POISONS ACT, 1933

## PHARMACY AND MEDICINES ACT, 1941

At December 31st, 1946, there were 87 premises registered for the sale of Part II Poisons. This is an increase of 19 on the previous year.

### Infant Life Protection

All " Nurse Children " or Children taken for reward are visited quarterly by the Health Visitors.

Six children are at present under supervision.

### Prevalence of, and Control over Infectious and Other Diseases

The Druid Isolation Hospital is available for the treatment of the following Infectious Diseases :

	<i>Scarlet Fever</i>	<i>Diph- theria</i>	<i>Erysi- pelas</i>	<i>C.S. Morb- Fever illi</i>	<i>Ru- bella</i>	<i>Vari- cella</i>	<i>Total</i>
In Hospital 1.1.46	16	8					24
Admitted during 1946	44	28	2	1	1	5	84
Treated during 1946	60	36	2	1	1	5	108
Discharged during 1946	54	34	2	1	1	5	99
Died during 1946		2					2
In Hospital 31.12.46	6					1	7

### Notifications of Infectious Diseases, 1946

	URBAN					RURAL			<i>Total</i>	
	<i>Am- lloch</i>	<i>Beau- maris</i>	<i>Holy- head</i>	<i>Llan- gefnî</i>	<i>Menai Bdge.</i>	<i>Aeth. Dwy.</i>	<i>Twr- celyn</i>	<i>Valley</i>	<i>Ang- lsey</i>	
Scarlet Fever	3	1	8	1	1	5	2	9	6	36
Diphtheria	1	1	4	5	1	9	2	2	2	27
Whooping Cough	1		6			7	6	13		33
Chicken-pox		1				3				4
Measles	186		33	5	2	15	11	253	38	543
Pneumonia	4		4	1				15	24	48
Puerperal Pyrexia									1	1
Erysipelas	1									1
C.S. Fever						1				1
Total	196	3	55	12	4	40	21	292	71	694
Total last year	36	15	55	32	29	63	8	121	60	419

  

TUBERCULOSIS NOTIFICATIONS 1946 :										
Pulmonary	3	2	15	2	3	12	1	11	6	55
Non-pulmonary	1	1	3		1	1		4		11



### Vaccinations

*Year ended 31st December, 1946*

	<i>Successful Under 1</i>	<i>Vaccinations Over 1</i>	<i>Primary Total</i>	<i>Successful Re-vaccinations</i>
Amlwch .....	81	3	84	.....
Beaumaris .....	55	2	57	.....
Holyhead .....	26	1	27	.....
Llangefni .....	27	1	28	.....
Llanidan .....	40	10	50	3
Valley .....	28	14	42	.....
Total .....	257	31	288	3

### Venereal Diseases

The Venereal Disease Centre for Anglesey is at the Caernarvonshire and Anglesey Infirmary under the supervision of Dr. Dorothy Lancaster and the House Surgeon.

	<i>Male</i>	<i>Female</i>	<i>Total</i>
Total .....	121	68	189
Syphilis .....	59	55	114
Gonorrhea .....	62	13	75
Conditions other than V.D.			
Intravenous Injections .....	175	208	383
Intra-Muscular Injections .....	226	378	604
M. and B.760 .....	.....	.....	.....
Wassermann Tests—Positive .....	5	4	9
Negative .....	4	7	11
Penicillin .....	24	8	32
Swabs and Smears .....	.....	.....	.....
In-patients .....	6	6	12
Number of in-patient days .....	64	99	163
Cases discontinued treatment without permission .....	32	15	47

### REGULATION 33B

#### *County of Anglesey*

Contacts notified to the Medical Officer of Health during the period 1st January to 31st December, 1946:

	<i>M.</i>	<i>F.</i>
(1) (a) TOTAL number of contacts in respect of whom Form 1 was received .....	3	2
(b) Number in (a) transferred from other areas .....	.....	.....

	<i>M.</i>	<i>F.</i>
(2) Number of cases in (1) in which attempts were made during the current period outside the scope of the Regulation to persuade the contact to be examined before the latter had been named on a second Form 1 :		
Contacts found	3	2
Contacts examined or already under treatment	3	2
(3) (a) Number of those in (1) in respect of whom two or more Forms 1 were received		
(b) Number included in (3) (a) in respect of whom the first Form 1 was previously reported under (1)		
(c) Number included in (3) (a) transferred from other areas		
(4) Number of those in (3) (a) who were :		
(a) Found		
(b) Examined after persuasion or already under treatment		
(c) Served with Form 2		
(d) Examined after service of Form 2		
(e) Prosecuted for failure :		
(i) to attend for, and submit to Medical examination		
(ii) to submit to and continue treatment		
(f) Transferred to other areas		

### Diphtheria Immunisation

ANNUAL RETURN FOR YEAR ENDED 31ST DECEMBER, 1946  
Immunisation in relation to child population :

Number of children who had completed a full course of immunisation up to 31st December, 1946 :

<i>District</i>	<i>Under 1</i> (1946)	<i>1</i> (1945)	<i>2</i> (1944)	<i>3</i> (1943)	<i>4</i> (1942)	<i>5-9</i> (1937- 1941)	<i>10-14</i> (1932- 1936)	<i>Total</i> <i>under 15</i>
Amlwch		13	20	44	43	193	134	447
Beaumaris	5	15	30	16	35	102	92	295
Holyhead		55	61	58	98	507	505	1,284
Llangofni		4	35	16	19	106	155	335
Menai Bridge		19	27	25	17	100	88	276
Aothwy	2	58	101	91	145	604	722	1,726
Twrcelyn	2	40	106	75	106	544	358	1,231
Valley	1	20	79	86	79	679	754	1,698
Anglesey	10	224	459	414	542	2,835	2,808	7,292



## Child population and percentage of children Immunised :

<i>District</i>	<i>Ages 1-4</i>			<i>Ages 5-14</i>			<i>Total under 15</i>		
	<i>Popu- lation</i>	<i>No. Im- munised</i>	<i>%</i>	<i>Popu- lation</i>	<i>No. Im- munised</i>	<i>%</i>	<i>Popu- lation</i>	<i>No. Im- munised</i>	<i>%</i>
Amlwch .....	234	120	51	354	327	92	588	447	76
Beaumaris .....	131	101	77	225	194	86	356	295	82
Holyhead .....	937	272	29	1,380	1,012	73	2,317	1,284	55
Llangefni .....	113	74	65	280	261	93	393	335	85
Menai Bridge	115	88	76	231	188	81	346	276	79
Aethwy .....	772	400	52	1,650	1,326	80	2,422	1,726	71
Twrcelyn	638	329	52	1,200	902	75	1,838	1,231	66
Valley	820	265	32	1,560	1,433	91	2,380	1,698	71
Anglesey.....	3,760	1,649	43	6,880	5,643	82	10,640	7,292	68

## Area Population, Births, Deaths, for 1946

<i>District</i>	<i>Area in Acres</i>	<i>Population Census 1921</i>	<i>Population Census 1931</i>	<i>Population mid-year 1946</i>	<i>Births</i>	<i>Deaths</i>
Amlwch	4,494	2,699	2,561	2,416	41	42
Beaumaris	3,135	1,841	1,708	1,820	28	25
Holyhead	730	11,761	10,707	9,762	204	147
Llangefni	2,510	1,690	1,782	1,761	31	17
Menai Bridge	824	1,798	1,675	1,771	37	23
Urban	11,693	19,789	18,433	17,530	341	254
Aethwy	52,352	11,095	10,760	10,240	187	141
Twrcelyn	53,865	9,241	8,640	8,360	154	120
Valley	58,784	11,619	11,192	10,810	204	161
Rural	165,001	31,955	30,592	29,410	545	422
Anglesey	176,694	51,744	49,025	46,940	886	676

### Annual Rates per 1,000 of Estimated Population

<i>District</i>	<i>Birth Rate</i>	<i>Death Rate</i>	<i>Phthisis Death Rate</i>	<i>Respira- tory Death Rate</i>	<i>Cancer Death Rate</i>	<i>Heart Disease Death Rate</i>
Amlweh	16.97	17.38	.82	1.24	4.55	5.38
Beaumaris	15.38	13.74	...	2.20	2.20	2.75
Holyhead	20.89	15.06	1.54	1.23	2.36	4.51
Llangefni	17.60	9.65	.57	1.70	1.70	1.70
Menai Bridge	20.89	12.98		3.39	1.13	3.39
Urban	19.45	14.49	1.03	1.60	2.45	4.05
Aethwy	18.26	13.77	.78	.78	2.05	4.20
Twrcelyn	18.42	14.35	.60	.96	1.67	3.95
Valley	18.87	14.89	.55	1.20	2.78	4.26
Rural	18.53	14.35	.65	.98	2.21	4.15
Anglesey.....	18.88	14.40	.79	1.21	2.30	4.11

### Infant Deaths—Stillbirths—Maternal Deaths

*Rates per 1,000 Live Births*

<i>District</i>	<i>Infant Mortality Rate</i>	<i>Stillbirth Rate</i>	<i>Maternal Mortality Rate</i>
Amlweh		97.56	
Beaumaris	71.43	71.43	
Holyhead	53.92	39.22	4.90
Llangefni	...	32.26	
Menai Bridge	...	27.03	
Urban	38.12	46.92	2.93
Aethwy	42.78	37.43	
Twreelyn	51.95	19.48	
Valley	49.02	24.51	4.90
Rural	47.71	27.52	1.83
Anglesey	44.02	34.99	2.26